

**DECLARATION AND POWER OF ATTORNEY  
FOR ORIGINAL U.S. PATENT APPLICATION**

Attorney's Docket No. LAM2P431/P1169

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD AND APPARATUS FOR ETCH ENDPOINT DETECTION, the specification of which,

- (check one)
1. ☒ is attached hereto.
  2. ☐ was filed on \_\_\_\_\_ as  
U.S. Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.
  3. ☐ was filed on \_\_\_\_\_ as  
International PCT Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR § 1.56.

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

**Prior Foreign Application(s)**

**Priority Benefits  
Claimed?**

\_\_\_\_\_  
(Appl. No.)                      (Country)                      (Filing Date)

☐ Yes ☐ No

\_\_\_\_\_  
(Appl. No.)                      (Country)                      (Filing Date)

☐ Yes ☐ No

And I hereby appoint the law firm of Martine & Penilla, including Peter B. Martine (Reg. No. 32,043); Albert S. Penilla (Reg. No. 39,487); Chester E. Martine, Jr. (Reg. No. 19,711); Joe A. Brock II (Reg. No. 46,021); Rick von Wohld (Reg. No. 48,018); Michael L. Gencarella (Reg. No. 44,703); George Brian Leavell (Reg. No. 45,436); Fariba Yadegar-Bandari (Reg. No. 53,805); Kenneth D. Wright (Reg. No. 53,795); and Michael K. Hsu (Reg. No. 46,782); Feb Cabrasawan (Reg. No. 51,521), and Jeffrey J. Brooks (Reg. No. 35,834) and Michael Brandt (Reg. No. 39,119), of Lam Research Corporation, as my principal attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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